

ABSTRACT

An apparatus and method, for selective thermal treatment of tissue, below the surface, while avoiding injury to the superficial layers of the tissue. The apparatus comprises a reflective beam conversion system for providing a pre-selected therapeutic dose of light energy of optimal spectrum and optimal pulse duration to a confined target volumes at predetermined depth under the tissue surface, while reducing the thermal exposure of the surface of the tissue, and the overlying and surrounding tissues. The method is advantageous for treating a variety of medical and dermatological conditions in a safer and more effective manner.